U.S. Department of Transportation

**Intelligent Transportation Systems
Standards Fact Sheet**

SAE
INTERNATIONAL ®

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**SAE J2395
ITS In-Vehicle Message Priority Recommended Practice**

Overview

The objective of this recommended practice is to help insure the clear and concise presentation of multiple ITS messages to drivers. Establishing in-vehicle message priority is an important step in the development of guidelines for man-machine interface (MMI) systems and the improvement of driving safety.

What is this standard for?

SAE J2395, **ITS In-Vehicle Message Priority Recommended Practice,** is an industry-recommended practice that outlines a procedure for determining the orderly presentation of information to drivers, while taking into account time sensitivity and travel distance and display space limitations. With the advent of new systems that convey in-vehicle messages to drivers, such as roadside information, including road-condition warnings and travel advice, and vehicle-status messages, including collision warnings and vehicle operating conditions, there is concern that these systems may distract or overburden drivers with information. Such messages may also compete for attention with other systems within the vehicle and may cause a lack of focus on operating the vehicle safely. Message prioritization is intended to provide the basis for selecting which set of messages that are competing for the same display time and space should be presented to the driver.

To obtain a copy of this standard, please contact:

Society of Automotive Engineers (SAE)
400 Commonwealth Drive
Warrendale, PA 15096
Tel: (724) 776-4841
Fax: (724) 776-0243
Web site: www.sae.org

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Who uses it?

This recommended practice is intended for use by original equipment manufacturers (OEM) and after-market ITS and telematics system designers and developers.

How is it used?

This recommended practice may be used in the design and specification of both OEM and after-market ITS message-generating systems for passenger vehicles and heavy trucks. It describes a method for prioritizing in-vehicle messages and/or displayed information based on a defined set of criteria. Each criterion has a fixed number of levels that are used to rate or rank a given message or information item to determine its prioritization value. The prioritization value is then used to determine the priority in which simultaneous, or overlapping, in-vehicle messages are presented to the driver. This recommended practice is intended to lead to the development of consensus standards for the prioritization of in-vehicle messages that are displayed by intelligent transportation systems, including telematics devices.

Related documents

ISO CD 16951 - Road vehicles—ergonomic aspects of transport information and control systems and procedures for determining priority of on board messages presented to drivers.

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For more information on ITS standards, contact the Federal Highway Administration, ITS Joint Program Office, Room 3401, HOIT, 400 7th Street, SW, Washington, DC 20590, phone: 202-366-2180, fax: 202-366-3302, Web site: www.its-standards.net

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